

SN 09/530,815
Art Unit 1713

IN THE CLAIMS

Claims 6-26 are currently in the application.

Claims 1-5 (cancelled)

~~6~~ (Currently Amended) A polyacrylate jointing compound comprised of:

- (a) 10% to 60% by weight of at least one copolymer containing from 85% to 98% by weight of constitutional units provided by at least one acrylate and from 2% to 10% by weight of constitutional units provided by acrylonitrile, wherein the acrylate is an ester of acrylic acid and an alcohol containing 2 to 8 carbon atoms;
- (b) ~~[[0.2%]]~~ 0.2% to 15% by weight of at least one fatty compound as a plasticizer;
- (c) 5% to 20 percent by weight of water;
- (d) up to 70% by weight of fillers; and
- (e) 0.3% to 5% by weight of auxiliaries

wherein said polyacrylate jointing compound is in paste form; the percent by weight of the constitutional units of the copolymer being based on the weight of the copolymer and the percent by weight of components (a) through (e) being based on the weight of the jointing compound.

² ~~7~~ (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ comprising 15% to 60% by weight of the jointing compound of component (a).

³ ~~8~~ (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ comprising 1% to 10% by weight of the jointing compound of component (b).

⁴ ~~9~~ (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ comprising 10% to 15% by weight of the jointing compound of water.

⁵ ~~10~~ (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ comprising at least one component selected from the group consisting of fillers and pigments in an

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amount of from 20% to 60% by weight of the jointing compound.

6 ~~11~~. (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ additionally comprising 1% to 2.5% by weight of the jointing compound of one or more auxiliaries.

7 ~~12~~. (Currently Amended) The polyacrylate jointing compound of claim ~~6~~ comprising a copolymer of 90% to 98% by weight of constitutional units provided by acrylates and [[4]] 2% to 8% by weight of constitutional units provided by acrylonitrile.

8 ~~13~~. (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ comprising one or more fatty acid esters.

9 ~~14~~. (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ comprising epoxystearic acid methyl ester.

10 ~~15~~. (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ wherein said fatty compounds are the only plasticizers present.

11 ~~16~~. (Previously Presented) The polyacrylate jointing compound of claim ~~6~~ comprising a copolymer comprising constitutional units provided by butyl acrylate.

17. (Previously Presented) The polyacrylate jointing compound of claim 6 comprising one or more fatty compounds selected from the group consisting of fatty acids, fatty alcohols and derivatives thereof and having a molecular weight between 300 and 1,500.

12 ~~18~~. (Previously Presented) An improved method for joining a first substrate to a second substrate having a coefficient of thermal expansion or an elastic behavior which is different from that of the first substrate, the improvement comprising using the polyacrylate jointing

compound of claim ~~8~~¹ to join the first substrate and the second substrate.

~~13~~¹³ ~~18~~. (Previously Presented) A polyacrylate jointing compound comprised of:

- (a) 15% to 60% by weight of one or more copolymers comprising from 85% to 98% by weight of constitutional units provided by at least one acrylate and from 2% to 10% by weight of constitutional units provided by acrylonitrile, wherein the acrylate is an ester of acrylic acid and an alcohol containing 2 to 8 carbon atoms;
- (b) 1% to 10% by weight of at least one fatty compound selected from the group consisting of fatty acids, fatty alcohols and derivatives thereof;
- (c) one or more additional components selected from the group consisting of fillers and pigments, in an amount of from 20% to 60% by weight.
- (d) 1% to 2.5% by weight of one or more auxiliaries; and
- (e) 10% to 15% by weight of water;

wherein said polyacrylate jointing compound is in paste form; the percent by weight of the constitutional units of the copolymer being based on the weight of the copolymer and the percent by weight of components (a) through (e) being based on the weight of the jointing compound.

~~14~~¹³ ~~20~~. (Previously Presented) The polyacrylate jointing compound of claim ~~18~~¹³ wherein (a) is at least one copolymer comprising 90% to 98% by weight of constitutional units provided by acrylate and 2% to 8% by weight of constitutional units provided by acrylonitrile.

~~15~~¹³ ~~21~~. (Previously Presented) The polyacrylate jointing compound of claim ~~18~~¹³ comprising one or more fatty acid esters.

~~16~~¹³ ~~22~~. (Previously Added) The polyacrylate jointing compound of claim ~~18~~¹³ wherein said fatty compounds are the only plasticizers present.

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¹³
~~17~~ 23. (Previously Presented) The polyacrylate jointing compound of claim ~~19~~ comprising a copolymer comprising constitutional units provided by butyl acrylate.

¹⁸
~~18~~ 24. (Previously Presented) An improved method for joining a first substrate to a second substrate having a coefficient of thermal expansion or an elastic behavior which is different from that of the first substrate, the improvement comprising: using the polyacrylate jointing compound of claim ~~19~~ to join the first substrate and the second substrate

¹⁹
~~19~~ 25. (Currently Amended) A process for producing the polyacrylate jointing compound of claim ~~6~~ comprising:

- 1) forming a mixture of component (b) and component (a):
- 2) adding with mixing components ~~(c) and (d)~~ (d) and (e) in any order; and
- 3) adjusting viscosity of the jointing compound if necessary, by addition of water.

¹⁹
²⁰
~~20~~ 26. (Previously Presented) The process of claim ~~25~~ wherein component (a) is in aqueous dispersion form.